

PATENT ABSTRACTS OF JAPAN

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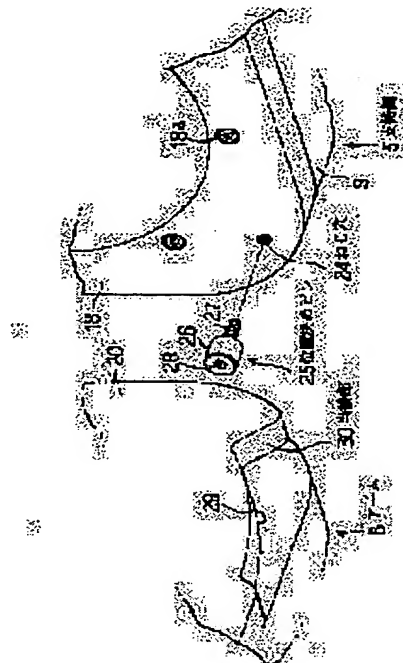
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(54) ROBOT

(57)Abstract:

PROBLEM TO BE SOLVED: To easily determine a reference rotation position of an arm, having such a constitution as capable of easily positioning, and to be manufactured at low cost when rotatably connecting one arm to the tip of the other arm in a robot.

SOLUTION: When the twist arm 6 is rotatably connected to the upper arm 5, a screw hole 24 is formed in a presser plate 18 in the tip of the upper arm 5. A notch 29 is formed in an end face part of the twist arm 6 and one end face of its inside is set to an abutment surface 30. The shapes of the upper arm 5 and the twist arm 6 observed from the front face are rectangles so that, when the twist arm 6 is rotated by 45°, the screw hole 24 formed in a corner is exposed and a positioning pin 25 is threadably engaged into the screw hole 24. When the twist arm 6 is rotated to return to its original position, the positioning pin 25 relatively intrudes into the notch 29 and abuts on the abutment face 30 so as to stop the twist arm 6 at the reference rotation position. A control system is made to memorize the reference rotation. Then, the positioning pin 25 is detached from the screw hole 24.



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